

Title (en)
FREQUENCY HOPPING SEQUENCE GENERATION

Title (de)
FREQUENZSPRUNGFOLGENERZEUGUNG

Title (fr)
GÉNÉRATION DE SÉQUENCE DE SAUT DE FRÉQUENCE

Publication
EP 3447927 A3 20190605 (EN)

Application
EP 18196092 A 20150113

Priority
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• EP 15150968 A 20150113

Abstract (en)
Techniques for frequency-hopping sequence-generation are described herein. In one example, a sequence of pseudo random numbers may be used to generate a scrambling sequence. The scrambling sequence may be used to map an unscrambled sequence of channels into a scrambled sequence of channels. The scrambling sequence may be based on a Galois field. Channel whitening may be performed to reduce channel overuse. The scrambled sequence of channels may be provided to a radio to enable the radio to tune to the channels indicated by the scrambled sequence of channels.

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H04B 1/7143 (2011.01)

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H04B 1/7143 (2013.01 - EP US); **H04B 1/7156** (2013.01 - US)

Citation (search report)
• [IA] US 2012014414 A1 20120119 - JEONG WUN CHEOL [KR], et al
• [IA] US 7035314 B1 20060425 - LINSKY JOEL B [US]
• [IA] WO 2008033514 A2 20080320 - ITRON INC [US], et al
• [IA] US 2007071068 A1 20070329 - LABLANS PETER [US]

Designated contracting state (EPC)
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EP 2942873 A1 20151111; EP 2942873 B1 20181031; EP 3447927 A2 20190227; EP 3447927 A3 20190605; US 2015326275 A1 20151112; US 2016269074 A1 20160915; US 9350416 B2 20160524; US 9673857 B2 20170606

DOCDB simple family (application)
EP 15150968 A 20150113; EP 18196092 A 20150113; US 201414558553 A 20141202; US 201615161659 A 20160523